

US EPA ARCHIVE DOCUMENT

From: [Hurst, Benjamin M](#)  
To: [Wilson, Aimee](#)  
Cc: [Robbins, Gary D](#)  
Subject: RE: Baytown Olefins Plant - GHG Application Questions  
Date: Monday, February 04, 2013 6:19:59 PM

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Aimee,

Please see responses to your questions below.

Thank you,

Benjamin M. Hurst  
Baytown Olefins Plant  
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**From:** Wilson.Aimee@epamail.epa.gov [mailto:Wilson.Aimee@epamail.epa.gov]  
**Sent:** Monday, February 04, 2013 8:17 AM  
**To:** Hurst, Benjamin M  
**Cc:** Robbins, Gary D  
**Subject:** Baytown Olefins Plant - GHG Application Questions

Ben and Gary,

I have a few more questions.

What is the maximum design heat input rate for the ethylene cracking furnaces? Will there be a maximum one-hour firing rate?

**Response 1: The designed, maximum one hour firing rate for each ethylene cracking furnace will be 515 million BTUs per hour.**

What is the maximum design heat input rate of the train 5 duct burners? Will there be an annual average firing rate? Are they equipped with SCR?

**Response 2: The maximum design heat input rate of the train 5 duct burners will be 773 MMBtu/hr (HHV)? The proposed annual firing rate is 6,771,480 MMBtu/yr (HHV) to allow for efficient steam generation. Train 5 is equipped with SCR.**

Thanks,  
Aimee